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Serial No.: 09/934,738

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1 (currently amended). In a communication server, a method of responding to a client application, the method comprising the steps of:

receiving from the client application an application protocol request corresponding to a response that can be displayed as a combination of a ~~dynamic protocol object~~ portion of the response that changes and a part of the response that is static protocol object;

creating at the server the ~~dynamic protocol object~~ portion of the response that changes;

sending the ~~dynamic protocol object~~ portion of the response that changes to the client application;

retrieving the part of the response that is static protocol object from a cache disposed in an operating system kernel; and

sending the part of the response that is static protocol object to the client application.

2 (previously presented). The method of claim 1 wherein the cache disposed within the operating system kernel is a protocol object cache.

3 (previously presented). The method of claim 1 wherein the application protocol request and the reply are formatted according to a hypertext transfer protocol (HTTP).

4 (previously presented). The method of claim 2 wherein the application protocol request and the reply are formatted according to a hypertext transfer protocol (HTTP).

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5 (currently amended). A computer program product comprising at least one of a CD-ROM, DVD-ROM, magnetic tape, diskette, magnetic fixed disk and a semiconductor device ~~computer-readable medium~~ having computer program code embodied therein, the computer program code for enabling a server to respond to a client application, the computer program code comprising:

instructions for receiving from the client application an application protocol request corresponding to a response that can be displayed as a combination of a dynamic protocol-object portion of the response that changes and a part of the response that is static protocol-object;

instructions for creating at the server the dynamic protocol-object portion of the response that changes;

instructions for sending the dynamic protocol-object portion of the response that changes to the client application;

instructions for retrieving the part of the response that is static protocol-object from a cache disposed in an operating system kernel; and

instructions for sending the part of the response that is static protocol-object to the client application.

6 (previously presented). The computer program product of claim 5 wherein the cache disposed within the operating system kernel can be a protocol object cache.

7 (previously presented). The computer program product of claim 5 operable to format the application protocol request and the reply according to a hypertext transfer protocol (HTTP).

8 (previously presented). The computer program product of claim 6 operable to format the application protocol request and the reply according to a hypertext transfer protocol (HTTP).

9 (currently amended). Apparatus for responding to a client application, the apparatus comprising:

a cache disposed in an operating system kernel;

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means for receiving from the client application an application protocol request corresponding to a response that can be displayed as a combination of a ~~dynamic-protocol object~~ portion of the response that changes and a part of the response that is static protocol-object;

means for creating at the server the ~~dynamic-protocol-object~~ portion of the response that changes;

means for sending the ~~dynamic-protocol-object~~ portion of the response that changes to the client application;

means for retrieving the part of the response that is static protocol-object from the cache through an operable connection to the cache; and

means for sending the part of the response that is static protocol-object to the client application.

10 (previously presented). The apparatus of claim 9 wherein the cache can be a protocol object cache.

11 (currently amended). An instruction execution system operable as a communication protocol server, operable to respond to a client application by performing the steps of:

receiving from the client application an application protocol request corresponding to a response that can be displayed as a combination of a ~~dynamic-protocol object~~ portion of the response that changes and a part of the response that is static protocol-object;

creating at the server the ~~dynamic-protocol-object~~ portion of the response that changes;

sending the ~~dynamic-protocol-object~~ portion of the response that changes to the client application;

retrieving the part of the response that is static protocol-object from a cache disposed in an operating system kernel; and

sending the part of the response that is static protocol-object to the client application.

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12 (previously presented). The instruction execution system of claim 11 further operable as a hypertext transfer protocol (HTTP) server.

13 (previously presented). The instruction execution system of claim 11 wherein the cache can be a protocol object cache.

14 (previously presented). The instruction execution system of claim 12 wherein the cache can be a protocol object cache.